

Datasheet for ABIN7320393  
**CD130/gp130 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	CD130/gp130 (IL6ST)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD130/gp130 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse IL6ST/CD130 Protein (His Tag)(Active)
Sequence:	Met 1-Glu 617
Characteristics:	A DNA sequence encoding the mouse gp130 (NP_034690.3) extracellular domain (Met 1-Glu 617) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its ability to bind mouse IL11Ra in a functional ELISA.2. Measured by its ability to inhibit the IL6 Ra enhancement of IL6 activity on M1 mouse myeloid leukemia cells (Saito, T. et al. 1991, J. Immunol. 147:168.). The ED50 for this effect is typically 0.6-3 µg/mL in the presence of 10 ng/mL recombinant human IL6 sR and 20 ng/mL recombinant human IL6.

## Target Details

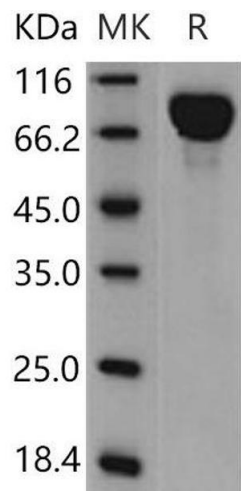
Target:	CD130/gp130 (IL6ST)
Alternative Name:	IL6ST/CD130 ( <a href="#">IL6ST Products</a> )
Background:	<p>Background: Glycoprotein 130 (also known as gp130, IL6ST, IL6-beta or CD130) is a transmembrane protein which is the founding member of the class of all cytokine receptors. CD130/gp130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and Oncostatin M (OSM). CD130/gp130 functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. CD130/gp130 plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described. A related pseudogene has been identified on chromosome 17. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. CD130/gp130 binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. CD130/gp130 may have a role in embryonic development. The type I OSM receptor is capable of transducing OSM-specific signaling events.</p> <p>Synonym: 5133400A03Rik,AA389424,BB405851,CD130,D13Ert699e,gp130</p>
Molecular Weight:	68 kDa
NCBI Accession:	<a href="#">NP_034690</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Cellular Glucan Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.